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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 1 McKEE PRINT JANUARY, 1964

Production of crude oil and condensate from the oil and gas areas of Montana for the month of January, 1964, averaged 82,550 barrels daily, a decrease of 1,287 barrels from the average December production of 83,837.

The nine refineries in state processed 76,626 barrels of crude oil daily for the month of January, 1964, an increase of 1,820 barrels from the 74,806 barrels processed daily during the month of December, 1963.

During January, 21 wells were completed, 8 oil, 0 gas wells and 13 dry holes.

During January, the commission issued 17 permits to drill new wells, a decrease of 23 from the 40 permits issued during December.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA
MONTH OF JANUARY, 1964

IN STORAGE JANUARY 1st:	
By Producers	340,101
By Transporters	926,949
By Refiners	566,444
TOTAL STORAGE	1,833,494
Produced in Montana During Month	2,559,051
Imported During Month	1,464,171
TOTALS	5,856,716
DISPOSITION:	
Refined in Montana	2,375,433
Exported	1,565,122
Used for Fuel or Lost	14,357
TOTAL	3,954,912
IN STORAGE JANUARY 31st:	
By Producers	328,990
By Transporters	909,208
By Refiners	663,606
TOTAL STORAGE	1,901,804

NATURAL GAS WITHDRAWALS IN MONTANA
Month of January, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	128,565
Bowdoin	305,561
Bowes	79,995
Cabin Creek	100,076
Cedar Creek	554,120
Cut Bank (including Reagan)	767,522
Devon	0
Dry Creek	190,383
Elk Basin	25,691
Flat Coulee	3,540
Gold Butte	0
Golden Dome	12,723
Grandview	0
Hardin	2,658
Keith Block	148,682
Kevin Sunburst	91,431
Middle Butte	25,509
Pine	62,358
Plevna	17,367
Utopia	108,582
Whitlash	75,322
Miscellaneous	8,544
TOTAL	2,708,629

Total Withdrawals for January, 1963 were 4,325,586 M Cu. Ft.

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PRODUCERS REPORT—MONTH OF JANUARY, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	618	2,129	.....	2,047	.....	700
4	Bannatyne	8	955	1,085	.....	1,011	.....	1,029
1	Bascom	1	101	187	195	.....	.....	93
5	Bear's Den	5	1,197	2,760	.....	2,298	.....	1,659
1	Belfry	1	348	378	.....	374	.....	352
1	Benrud	1	654	1,382	1,395	.....	.....	641
1	Benrud East	1	696	15,854	15,843	.....	.....	707
9	Big Wall	29	2,457	22,054	21,809	311	.....	2,391
7	Blackfoot	12	1,176	7,233	3,481	3,524	.....	1,404
4	Border	4	101	563	.....	499	.....	165
1	Bowes	72	3,162	14,055	12,568	.....	.....	4,649
3	Bradley	3	1,029	1,175	1,029	.....	.....	1,175
2	Brady	6	.....	751	751	.....	.....	.....
1	Bredette North	1	543	132	.....	.....	.....	675
2	Cabin Creek	112	8,416	253,289	254,905	.....	.....	6,800
14	Cat Creek	84	2,533	21,883	21,953	.....	.....	2,463
1	Clark's Fork	1	127	241	.....	166	.....	202
1	Clark's Fork North	1	2,156	576	.....	1,359	.....	1,373
4	Conrad South	5	384	450	399	.....	2	433
1	Cupton	1	1,986	1,196	.....	1,376	.....	1,806
156	Cut Bank	1,100	111,518	159,960	159,062	.....	220	112,196
3	Deer Creek	4	1,685	6,299	6,023	.....	.....	1,961
2	Delphia	2	539	1,179	.....	1,002	48	668
....	Devil's Basin	.....	1,194	.....	.....	.....	.....	1,194
5	Dry Creek	5	813	479	664	.....	.....	628
20	Dwyer	21	9,496	51,559	51,775	.....	.....	9,280
8	Elk Basin	59	3,234	274,387	273,946	.....	.....	3,675
1	Fertile Prairie	1	842	1,470	1,876	.....	.....	436
5	Flat Coulee	22	5,731	42,819	42,960	1,279	.....	4,311
2	Frannie	2	.....	1,535	.....	1,535	.....	.....
8	Fred & George Creek	10	2,185	43,687	43,398	1,043	.....	1,431
1	Gage	1	391	518	518	.....	.....	391
4	Gas City	28	5,632	79,453	76,908	2,358	.....	5,819
6	Glendive	11	1,268	34,446	25,258	9,735	.....	721
8	Goose Lake	9	3,809	20,772	.....	22,493	.....	2,088
6	Graben Coulee	16	4,143	7,370	7,470	.....	.....	4,043
5	Gypsy Basin	6	3,675	4,034	3,225	.....	440	4,044
1	Hibbard	1	193	829	.....	788	.....	234
9	Ivanhoe	13	2,996	31,191	30,089	.....	62	4,036
6	Keg Coulee	15	2,987	22,079	21,835	.....	.....	3 231
126	Kevin Sunburst	826	15,758	45,564	45,854	.....	219	15,249
2	Little Beaver	24	3,127	28,530	27,445	668	.....	3,544
3	Little Beaver East	19	2,623	26,620	26,009	.....	.....	3.234
2	Lone Tree	3	1,133	4,825	.....	4,879	.....	1,079
25	Lookout Butte	71	6,056	159,132	157,789	2,794	.....	4,605
....	Mackay Dome	.....	770	.....	.....	.....	.....	770
2	Melstone	5	1,151	3.691	3,572	.....	.....	1,270
6	Monarch	16	3,913	17,545	18,349	.....	.....	3,109
2	Mosser	2	.....	980	.....	980	.....	.....
1	Musselshell	1	430	124	.....	.....	.....	554
7	Outlook	11	5,878	32,239	32.601	.....	.....	5,516
3	Outlook South	3	2,519	1,679	1,512	.....	.....	2,686
56	Pennel	97	4,121	214,416	213,588	.....	.....	4,949
4	Pine	134	16,090	341,429	341,313	3,860	.....	12,346
78	Pondera	332	8,357	37,006	36,522	.....	28	8,813
2	Pondera Coulee	2	.....	231	231	.....	.....	.....
4	Poplar East	82	10,749	125,778	123,159	.....	21	13,347
4	Poplar Northwest	5	1,904	1,634	2,539	.....	.....	999
7	Ragged Point	19	2.216	7,650	7,528	.....	.....	2,338
3	Reagan	44	2.530	20,511	19,753	.....	.....	3,288
9	Red Creek	23	4,361	45,061	44,836	.....	.....	4,586
1	Redstone	1	248	969	708	.....	.....	509
1	Repeat	1	309	1,280	.....	1,381	.....	208
5	Richey	9	2,699	4,655	3,606	.....	202	3,546
6	Richey Southwest	7	2,823	19,577	.....	19,567	.....	2,833
2	Sand Creek	5	2,588	8,614	8,610	.....	.....	2,592
7	Sidney-Brorson	7	4.161	5,108	.....	4,805	.....	4,464
1	Snyder	3	1,852	244	.....	574	.....	1,522
5	Soap Creek	9	4,484	5,051	.....	5,711	.....	3,824
2	Spring Lake	3	2,724	13,731	.....	15,013	.....	1.442
2	Stensvad	19	5,731	39.217	38.892	.....	.....	6,056
28	Sumatra	94	11,912	126.974	129.581	.....	196	9,109
6	Tule Creek	7	2.339	53.636	54,307	.....	.....	1,668
2	Vida	2	367	3,230	.....	2,751	.....	846
11	Whitlash	31	7,560	8,929	1,262	9,587	.....	5,640
2	Whitlash West	2	140	417	.....	417	.....	140
9	Wolf Springs	16	4,703	11.716	13.710	.....	.....	2,709
4	Woodrow	6	320	7,697	7,742	.....	.....	275
1	Wildcat Liberty Cty	1	179	160	.....	195	100	44
1	Wildcat Roosevelt Cty	1	306	1,762	.....	1,891	.....	177
762		3,621	340,101	2,559,051	2,440,353	128,271	1,538	328,990

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84.574	30.852,527	84,527
January, 1964	2,559,051	82,550	2,568,624	82,858

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
January, 1964	328,990	909,208	663,606	1,901,804

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF JANUARY, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,047				2,047		
BANNATYNE—Truck			1,011					1,011	
BEAR'S DEN—Truck			2,298					2,298	
BELFRY—Truck			374				374		
BIG WALL—McWood Corp.			311			311			
Glacier Pipeline Co.		21,810				21,810			
		21,810	311			22,121			
BLACKFOOT—Union Oil Co.		3,481						3,481	
Mountain Crude Marketers			3,524					3,524	
		3,481	3,524					7,005	
BORDER—Truck			499				499		
BOWES—Texaco, Inc.		12,568				12,568			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	326,953	801,141	39,652	679,307			1,529,347		317,706
Shell Pipeline Corp.	8,885	382,619	3,462		481			386,089	8,396
	335,838	1,183,760	43,114	679,307	481		1,529,347	386,089	326,102
CAT CREEK									
Glacier Pipeline Co.		18,490				18,490			
CLARK'S FORK—Truck			1,525				1,525		
CUPTON—Truck			1,376				1,376		
CUT BANK									
Darling Gathering System, Inc.	9,814	5,654						13,286	2,182
Glacier Pipeline Co.				124,464		124,464			
Phillips Petroleum Co.	18,360	55,296		35,872	266	65,743		20,793	22,726
Texas Pipeline Co.	16,861	27,574		14,043	141			46,081	12,256
Teton Pipeline Corp.	21,506	28,450		59,288	274			72,346	36,624
Union Oil Co.	84,977	71,111		15,273	198	85,504			85,659
	151,518	188,085		248,940	879	275,711		152,506	159,447
DELPHIA—Truck			1,002			1,002			
DRY CREEK—									
Marathon Pipeline Co.	7,364	665			665				7,364
DWYER—Hunt Petroleum Corp.		50,886					50,886		
ELK BASIN—Marathon Pipeline Co.		273,296				273,296			
FLAT COULEE—Camerland Pipeline		36,811	1,279					35,090	3,000
FRANNIE—Marathon Pipeline Co.			1,535				1,535		
FRED & GEORGE CREEK									
Camerland Pipeline		13,638	1,043					9,037	5,644
GAGE—Glacier Pipeline Co.		518				518			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,242	57,369			794			55,075	7,742
GOOSE LAKE—Truck			22,493				22,493		
HIBBARD—Truck			788			788			
IVANHOE—Glacier Pipeline Co.		30,399				30,399			
KEG COULEE—									
Glacier Pipeline Co.		21,851				21,851			
KEVIN SUNBURST—									
Big West Oil Co.	4,763	76,404				77,191			3,976
Homestake Oil & Gas Co.	3,009	2,521		13,286		18,548			268
Texas Pipeline Co.	7,387	16,675			2			14,043	10,017
	15,159	95,600		13,286	2	95,739		14,043	14,261
LONE TREE—Truck			4,879				4,879		
MELSTONE—									
Glacier Pipeline Co.		3,573				3,573			
MOSSER—Truck			980				980		
PONDERA—Phillips Petr. Co.	28,646	38,726		20,793	1,713	64,206			22,246
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	15,626	236,125			1,259			238,143†	12,349
RAGGED POINT—									
Glacier Pipeline Co.		8,330				2,468	5,862		
RED CREEK—Teton Pipeline Co.		49,577			496			49,081	
SIDNEY-BRORSON									
McWood Corp.	6,706		2,443	980		7,192		842	2,095
Truck			2,362					2,362	
	6,706		4,805	980		7,192		3,204	2,095
SNYDER—Truck			574			574			
SOAP CREEK—McWood Corp.	2,185		5,711			5,687			2,209
SPRING LAKE—Truck			15,013				15,013		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	357,665	167,578		496,086	5,112	435,508	233,960		346,749
WHITLASH—Truck			10,004					10,004	
Camerland Pipeline		1,262						1,262	
		1,262	10,004					11,266	
WOLF SPRINGS—									
Glacier Pipeline Co.		13,716				13,716			
WILDCAT WELLS—									
Roosevelt County			2,086				2,086		
TOTALS	926,949	2,528,114	128,271	1,459,392	11,401	1,285,407	1,872,862	963,848	909,208

*Cabin Creek Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat and Richey.

†Transferred to Butte Pipeline Company.

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Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JANUARY, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	North Star Refining Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	311	.....	28,810	.....	.....	.....	.....	.....	29,121
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	7,005	7,005
Bowes	.....	.....	10,120	.....	.....	.....	.....	.....	.....	10,120
Cat Creek	.....	18,490	.....	.....	.....	3,119	.....	.....	.....	21,609
Cut Bank	13,287	.....	.....	.....	.....	.....	4,865	84,352	72,973	175,477
Delphia	.....	.....	.....	.....	.....	902	.....	.....	.....	902
Dry Creek	.....	.....	.....	455	.....	.....	.....	.....	.....	455
Elk Basin	.....	108,304	.....	72,553	92,440	.....	.....	.....	.....	273,297
Flat Coulee	.....	36,811	.....	.....	.....	.....	.....	.....	.....	36,811
Fred & George Creek	.....	14,681	.....	.....	.....	.....	.....	.....	.....	14,681
Gage	.....	518	.....	.....	.....	.....	.....	.....	.....	518
Hibbard	.....	.....	.....	.....	.....	1 087	.....	.....	.....	1,087
Ivanhoe	.....	2,223	.....	.....	25,439	.....	.....	.....	.....	27,662
Keg Coulee	.....	.....	.....	21,851	.....	.....	.....	.....	.....	21,851
Kevin Sunburst	68,690	.....	.....	.....	.....	.....	.....	.....	.....	68,690
Melstone	.....	.....	.....	3,573	.....	.....	.....	.....	.....	3,573
Pondera	.....	.....	.....	.....	.....	.....	.....	29,398	.....	29,398
Red Creek	.....	.....	.....	.....	44,709	.....	.....	14,868	.....	59,577
Soap Creek	.....	5,902	.....	.....	.....	.....	.....	.....	.....	5,902
Sumatra & Stensvad	.....	906	.....	103,347	.....	.....	.....	.....	.....	104,253
Whitlash	8,560	1,262	.....	.....	.....	.....	.....	.....	.....	9,822
Wolf Springs	.....	.....	.....	.....	9,451	.....	.....	.....	.....	9,451
Total Montana Oil	90,537	189,408	10,120	230,589	172,039	5,108	4,865	128,618	79,978	911,262
Canadian Oil Imported	.....	108,702	.....	.....	99,543	.....	.....	.....	.....	208,245
Wyoming Oil Imported	.....	239,819	.....	332,675	678,366	5,066	.....	.....	.....	1,255,926
Total Montana, Canadian & Wyoming Oil	90,537	537,929	10,120	563,264	949,948	10,174	4,865	128,618	79,978	2,375,433

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
January, 1963	30,192	3,616	46,907	80,715
January, 1964	29,395	6,718	40,513	76 626

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1963	41.99%	5.53%	52.48%
January, 1963	37.40%	4.49%	58.11%
January, 1964	38.36%	8.77%	52.87%